Pg 11. 3rd bullet:

    Replace   "or test executives"

    With: - , test executives or target programs –

CLAIMS modifications/changes:

Cancel all claims of record and substitute new claims 13 to 24 as follows:

13. A method for monitoring and controlling, from a host computer, the real-time logic state of a plurality of target devices in a boundary scan chain, comprising:

(a) displaying graphical representations of said target devices on a graphical display device connected to said host computer,

(b) running boundary scan operations on said target devices to collect information about said target devices and storing said information in said host computer for said displaying operation,

(c) updating said graphical representations with said information to visually indicate current logic state of said target devices,

whereby a human can view and manipulate a boundary scan enabled device via a graphical user interface.

14. The method of claim 13 further comprising modifying the attributes of said graphical representations to help organize and simplify monitoring of said boundary scan chain.

15. The method of claim 13 further comprising initiating and running boundary scan operations via a single button that frees the user from generating, preparing, or otherwise creating test vectors.

16. The method of claim 13 further comprising initiating and running boundary scan operations via a single button press that frees the user from supplying test executives.

17. The method of claim 13 further comprising initiating and running boundary scan operations via a single button press that frees the user from supplying target programs.

18. The method of claim 13 further comprising periodically updating graphical representations for displaying real time status of boundary scan information.

19. The method of claim 13, further comprising providing a plurality of virtual indicators to augment and simplify the display of boundary scan information.

20. The method of claim 19 wherein said indicators are graphical representations of light emitting diodes.

21. The method of claim 1, further comprising providing a plurality of virtual controls to augment and simplify the control of data in a boundary scan chain.

22. The method of claim 21 wherein said indicators appear as graphical representations of mechanical switches.

23. The method of claim 13, further comprising providing a graphical representation of an input-output port on said host computer used to perform boundary scan operations, whereby said input-output port graphical representation serves to visually remind the user which port is controlling the scan chain.

24. A method for creating graphical representations of target devices from user-provided boundary scan description files, comprising the steps of:

(a) opening a boundary scan description language file pointed to by a user;